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Economic Research Aid

ESTIMATED NUMBER, VALUE, AND DISTRIBUTION
OF MERCHANT SHIPS
CONSTRUCTED BY AND FOR THE SINO-SOVIET BLOC
1962



CIA/RR A.ERA 63-5

June 1963

CENTRAL INTELLIGENCE AGENCY

Office of Research and Reports

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FOREWORD

This research aid revises and updates the data presented in CIA/RR A.ERA 62-3, Estimated Number, Value, and Distribution of Merchant Ships Constructed by and for the Sino-Soviet Bloc, 1961, May 1962, SECRET.

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ESTIMATED NUMBER, VALUE, AND DISTRIBUTION
OF MERCHANT SHIPS CONSTRUCTED BY AND FOR THE SINO-SOVIET BLOC*
1962

Summary

The USSR in 1962 built or acquired a greater number of larger and possibly faster maritime ships** than in previous years. In addition, certain new classes of ships that made an appearance in 1962 or late 1961 were of unusual significance in that they possessed oversized hatches and heavy lift equipment to facilitate loading and unloading of long and/or heavy cargoes. Some of these ships undoubtedly were employed in the transportation of military cargo to Cuba. Following is a list of these new classes of ships:

<u>Class of Ship</u>	<u>Number of Ships at the End of 1962</u>	<u>Country of Origin</u>	<u>Estimated Hatch Length (Feet)</u>	<u>Heavy Lift Equipment</u>
<u>Poltava</u>	1	USSR	78.7	60-ton boom
<u>Omsk</u>	3	Japan	75.0	60-ton boom
<u>Krasnograd</u>	5	Finland	72.5	60-ton boom
<u>Simferopol'</u>	4	Poland	62.0	60-ton boom
<u>Beloretsk</u>	4	Denmark	60.0	60-ton boom

* The estimates in this research aid represent the best judgment of this Office as of 1 May 1963.

** Ships listed in this research aid are considered to have been delivered by a shipyard, complete and ready for service but not necessarily operational, and the total value of the ship has been credited to the year of completion. Ships noted as operational during the month of January are arbitrarily assumed to have been completed during the previous year. Because some ships are converted after completion to naval auxiliary service and other services, the ships listed do not necessarily constitute additions to the several merchant fleets. All ships have been classified according to the following major categories:

Maritime -- ships engaged in oceangoing and coastal service, including the Caspian Sea;

Fishing -- both inland and oceangoing ships; and

Inland -- ships that operate on inland waterways, excluding the Caspian Sea.

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In terms of maritime tonnage* the average size of cargo ships built by the USSR in 1962 was about 600 GRT smaller than in 1961. This decrease may be the result of new classes of ships appearing for the first time in 1962, and it is expected to continue during 1963. The opposite is true for Soviet imports of cargo ships in 1962; the average size of these ships was about 500 GRT larger than in 1961. Tankers built by the USSR in 1962 averaged about 10,000 GRT per ship more than in 1961 because no small tankers were built in 1962. Tankers imported by the USSR in 1962 averaged about 1,800 GRT larger than those imported in 1961.

The estimated value of total merchant ships (including maritime, fishing, and inland water vessels) constructed by and for the Sino-Soviet Bloc in 1962 is about \$1.38 billion.** The estimated value of these ships in 1959, 1960, and 1961 as well as 1962 is as follows:

Origin	Million 1960 US \$			
	1959	1960	1961	1962
Sino-Soviet Bloc	1,048	1,116	1,043	1,139
Non-Bloc	121	149	158	241
Total	<u>1,169</u>	<u>1,265</u>	<u>1,201</u>	<u>1,380</u>

* Several abbreviations that are used repeatedly in the tables in this research aid may be defined as follows:

LSD (light ship displacement) is the weight, in tons of 2,240 pounds, of a complete ship, ready for service in every respect, including the weight of permanent ballast and liquids in the machinery at operating levels but excluding the weight of the members of the crew and their effects and any item of consumable or variable load such as stores, fuel, and cargo.

DWT (deadweight tons or tonnage) is the carrying capacity of a ship, in tons of 2,240 pounds, including the members of the crew and their effects as well as the weight of all items of consumable or variable load such as stores, fuel, and cargo. The deadweight tonnage is the difference in tons between full load displacement and light ship displacement.

GRT (gross register tons) is a measure whereby the entire internal cubic capacity of the ship is expressed in register tons -- 100 cubic feet to the ton -- not including certain spaces such as peak tanks and other tanks of water ballast, open forecastle, bridge and poop, hatchway excess, certain light and air spaces, anchor gear, steering gear, wheelhouse, galley, cabins for passengers, and other minor spaces specified by law.

** Dollar values are given in 1960 US dollars throughout this research aid.

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The value of maritime ships constructed, imported, and exported by countries of the Sino-Soviet Bloc in 1962 is as follows:

Million 1960 US \$					
		Imports		Exports	
		From Bloc Countries	From Non-Bloc Countries	To Bloc Countries	To Non-Bloc Countries
	Construction				
USSR	158	193	180	5	1
Poland	168	0	27	90	31
East Germany	119	5	0	79	0
Rumania	20	0	7	6	0
Communist China	20	7	0	0	0
Hungary	17	0	0	14	3
Bulgaria	14	0	0	14	0
Total	<u>516</u>	<u>205</u>	<u>214</u>	<u>208</u>	<u>35</u>

The total value of maritime ships imported in 1962 by the USSR was \$373 million. Of this amount, \$193 million (about 52 percent) represented maritime ships built in other Bloc countries, and \$180 million (about 48 percent) represented maritime ships built in non-Bloc countries. Although the ratio of Bloc to non-Bloc imports remained the same as in 1961, the over-all value of these imports in 1962 was nearly \$90 million greater than in 1961.

The USSR constructed, imported, and exported cargo ships and tankers in 1962 as follows:

	Construction			Imports			Exports		
	Number of Ships	DWT	GRT	Number of Ships	DWT	GRT	Number of Ships	DWT	GRT
Cargo ships	15	146,490	116,560	55	347,010	271,815	0	0	0
Tankers	3	71,210	50,750	20	273,645	181,115	1	11,250	8,230
Total	<u>18</u>	<u>217,700</u>	<u>167,310</u>	<u>75</u>	<u>620,655</u>	<u>452,930</u>	<u>1</u>	<u>11,250</u>	<u>8,230</u>

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The construction by the USSR of about 117,000 GRT of cargo ships in 1962 represents an increase of about 50,000 GRT above the tonnage built in 1961, and the import of about 272,000 GRT represents an increase of about 122,000 GRT. About 51,000 GRT of tankers were produced in 1962, only slightly more than in 1961, but imports of tankers in 1962 were nearly 65,000 GRT higher than in 1961.

Construction of fishing ships by the Sino-Soviet Bloc remained about the same in 1962 as in 1961 -- that is, 287,000 GRT compared with 297,000 GRT. About 26,000 GRT of fishing ships were imported from non-Bloc countries by the USSR during 1962. None was imported in 1961.

The total value of inland ships built by the Sino-Soviet Bloc in 1962 amounted to about \$239 million. No details are available concerning their construction and distribution.

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Table 1

Summary of the Number, Tonnage, Value, and Distribution of Merchant Ships
Constructed by and for the Sino-Soviet Bloc, by Type of Ship a/
1962

Value in Terms of Million 1960 US \$																		
Distribution																		
Sino-Soviet Bloc Countries																		
Country of Origin and Type	Number	Tons			Value	USSR		Poland		East Germany		Communist China		Other		Non-Bloc Countries		
		LSD	DWT	GRT		Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Country	Number	Value
Sino-Soviet Bloc																		
USSR																		
Maritime	18 b/	118,265	217,700 b/	206,450	157.8	17	151.6			1	5.2					2 c/	1.0	UAR
Fishing	1,914	N.A.	N.A.	217,940	298.8	1,913	297.9									1	0.9	Ghana
Inland (value only)					184.2		184.2											
Total USSR		N.A.	N.A.	424,390	640.8	1,930	633.7			1	5.2					3	1.9	
Communist China																		
Maritime	4	14,710	34,250	28,090	19.7							4	19.7					
Inland (value only)					16.5								16.5					
Total Communist China		14,710	34,250	28,090	36.2							4	36.2					
Poland																		
Maritime	36	124,890	251,140	199,640	168.2	17	83.4	12	46.8			1	6.8			5	24.4	Indonesia
Fishing	19	31,420	21,870	30,180	46.7	3	17.4	10	22.1							1	6.8	Cuba
																4	6.8	France
																2	0.4	Ghana
Total Poland	55	156,310	273,010	229,820	214.9	20	100.8	22	68.9			1	6.8			12	38.4	
East Germany																		
Maritime	38	80,165	140,405	119,300	119.4	24	78.7			13	40.4			1	0.3	North Vietnam		
Fishing	20	25,230	14,620	39,050	38.0	10	23.2			4	13.6					6	1.2	Sweden
Inland (value only)					5.0						5.0							
Total East Germany		105,395	155,025	158,350	162.4	34	101.9			17	59.0			1	0.3	6	1.2	

a. Excluding a few small minor ships.

b. Excluding four passenger ships, four port icebreakers, two research ships, one ferry, and an unknown number of tugs.

c. These two ships are excluded from the total as noted in footnote b, above.

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Table 1

Summary of the Number, Tonnage, Value, and Distribution of Merchant Ships
Constructed by and for the Sino-Soviet Bloc, by Type of Ship a/
1962
(Continued)

Value in Terms of Million 1960 US \$																		
Distribution																		
Sino-Soviet Bloc Countries																		
Country of Origin and Type	Number	Tons			Value	USSR		Poland		East Germany		Communist China		Other		Non-Bloc Countries		
		LSD	DWT	GRT		Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Country	Number	Value
<u>Hungary</u>																		
Maritime	10	11,200	16,250	13,000	17.0	8	13.6										2	3.4
Inland (value only)					6.0		6.0											UAR
Total Hungary		11,200	16,250	13,000	23.0	8	19.6										2	3.4
<u>Bulgaria</u>																		
Maritime	8	8,955	16,480	13,750	14.0	6	11.4							1	2.2	Czecho-		
														1	0.4	slovakia		
Total Bulgaria	8	8,955	16,480	13,750	14.0	6	11.4							2	2.6	Bulgaria		
<u>Rumania</u>																		
Maritime	15	13,930	22,350	20,500	20.5	10	6.0							5	14.5	Rumania		
Inland (value only)					15.0		7.5								7.5	Rumania		
Total Rumania		13,930	22,350	20,500	35.5	10	13.5							5	22.0			
<u>Czechoslovakia</u>																		
Inland (value only)					11.9		11.9											
Total Sino-Soviet Bloc					1,138.7	2,008	892.8	22	68.9	18	64.2	5	43.0	8	24.9		23	44.9
<u>Non-Bloc</u>																		
<u>Denmark</u>																		
Maritime	4	27,840	55,720	42,600	33.6	4	33.6											
Fishing	2	6,880	5,120	9,400	10.4	2	10.4											
Total Denmark	6	34,720	60,840	52,000	44.0	6	44.0											
<u>Finland</u>																		
Maritime	27	61,170	121,100	96,130	93.9	27	93.9											

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Table 1
(Continued)

Value in Terms of Million 1960 US \$

Distribution																			
Sino-Soviet Bloc Countries																			
Country of Origin and Type	Number	Tons			USSR		Poland		East Germany		Communist China		Other		Non-Bloc Countries				
		LSB	DWT	GRT	Value	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Country	Number	Value	Country
<u>United Kingdom</u>																			
Maritime	1	900	500	800	2.3			1	2.3										
<u>Japan</u>																			
Maritime	8	68,400	230,620	154,720	50.2	8	50.2												
<u>Sweden</u>																			
Maritime	1	2,140	4,130	3,100	2.7	1	2.7												
<u>West Germany</u>																			
Fishing	1	10,000	21,650	17,000	16.0	1	16.0												
<u>Yugoslavia</u>																			
Maritime	5	25,210	54,430	38,010	31.8			4	25.0					1	6.8	Rumania			
Total non-Bloc					240.9	43	206.8	5	27.3					1	6.8				
Total merchant					1,379.6	2,051	1,099.6	27	96.2	18	64.2	5	43.0	2	31.7		23	44.9	

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Table 2

Summary of the Number, Tonnage, Value, and Distribution of Merchant Ships Constructed by the USSR a/
1962

Million 1960 US \$													
Distribution													
Sino-Soviet Bloc Countries													
Type	Number	Tons			Value	USSR	Poland	East Germany	Communist China	Other		Non-Bloc Countries	
		LSB	DWT	GRT						Value	Country	Value	Country
Maritime													
Cargo	15	60,560	146,490	116,560	79.3	79.3							
Tanker	3	23,240	71,210	50,750	23.6	18.4		5.2				1.0	UAR
Miscellaneous	N.A.	34,465	N.A.	39,140	54.9	53.9							
Total maritime	18 b/	118,265	217,700 b/	206,450	157.8	151.6		5.2				1.0	
Fishing													
Crab cannery	2	17,620	12,500	21,400	26.4	26.4							
Fish-factory trawlers	16	37,120	20,480	50,720	56.0	56.0						0.9	Ghana
Medium trawler	3	1,770	945	1,650	2.7	1.8							
Whale catcher	14	13,160	4,340	11,760	21.0	21.0							
Refrigerator/factory	1	4,750	4,080	5,520	7.2	7.2							
Refrigerator	5	14,250	12,300	16,150	22.5	22.5							
Trawlers, seiners, and the like	1,873	N.A.	N.A.	110,740	163.0	163.0							
Total fishing	1,914	N.A.	N.A.	217,940	298.8	297.9						0.9	
Inland													
Self-propelled	N.A.	(238,000 horsepower)			142.8	142.8							
Non-self-propelled	N.A.	(460,000 tons cargo-carrying capacity)			41.4	41.4							
Total inland (value only)					184.2	184.2							
Total merchant (value only)					640.8	633.7		5.2				1.9	

a. Excluding a few small minor ships.

b. Excluding four passenger ships, four port icebreakers, two research ships, one ferry, and an unknown number of tugs.

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Table 3

Number, Value, and Distribution of Maritime Cargo Ships, Tankers, Miscellaneous Ships, and Fishing Ships Constructed by the USSR
1962

Value in Terms of Million 1960 US \$														
Type and/or Class	Distribution													
	Sino-Soviet Bloc Countries													
	USSR		Poland		East Germany		Communist China		Other		Non-Bloc Countries			
	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Country	Number	Value	Country
Cargo														
<u>Leninskiy Komsomol</u>	6	45.0	6	45.0										
<u>Poltava</u>	1	7.1	1	7.1										
<u>Amur</u>	1	6.1	1	6.1										
<u>Faylin Vinogradov</u>	1	4.4	1	4.4										
<u>Vyegres</u>	1	4.7	1	4.7										
<u>Ingeneer Belov</u>	5	12.0	5	12.0										
Total cargo	15	79.3	15	79.3										
Tanker														
<u>Feldin</u>	2	18.4	2	18.4										
<u>Kozbek</u>	1	5.2			1	5.2								
Total tanker	3	23.6	2	18.4	1	5.2								
Miscellaneous														
Passenger														
<u>Uzbekistan</u>	2	11.6	2	11.6										
<u>Baku</u>	1	3.6	1	3.6										
<u>Sulak</u>	1	2.4	1	2.4										
Ferry														
<u>Sovetskiy Azerbaydzhan</u>	1	8.3	1	8.3										
Port icebreaker														
<u>Dobrynya Nikitich</u>	4	10.0	4	10.0										
Research ship														
<u>Behr</u>	2	1.0										2	1.0	UAR
Tugs														
Various types	N.A.	18.0	N.A.	18.0										
Total miscellaneous	N.A.	54.9	N.A.	53.9								2	1.0	

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Table 3

Number, Value, and Distribution of Maritime Cargo Ships, Tankers, Miscellaneous Ships,
and Fishing Ships Constructed by the USSR
1962
(Continued)

Value in Terms of Million 1960 US \$														
Distribution														
Sino-Soviet Bloc Countries														
Type and/or Class	Number	Value	USSR		Poland		East Germany		Communist China		Other		Non-Bloc Countries	
			Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Country	Country
Fishing ships														
Crab cannery														
<u>Andrey Zakharov</u>	2	26.4	2	26.4										
Fish-factory trawler														
<u>Mayakovskiy</u>	16	56.0	16	56.0										
Medium trawler														
<u>Mayak</u>	3	2.7	2	1.8									1	0.9 Ghana
Whale catcher														
<u>Mirnyy</u>	14	21.0	14	21.0										
Refrigerator/factory														
<u>Sevastopol</u>	1	7.2	1	7.2										
Refrigerator														
<u>Tavriya</u>	5	22.5	5	22.5										
Trawlers, seiners, and the like	1,873	163.0	1,873	163.0										
Total fishing	<u>1,914</u>	<u>298.8</u>	<u>1,913</u>	<u>297.2</u>									<u>1</u>	<u>0.9</u>
Total maritime (including fishing ships)	N.A.	<u>456.6</u>	N.A.	<u>449.5</u>			<u>1</u>	<u>5.2</u>					<u>2</u>	<u>1.9</u>

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Table 4

Number, Tonnage, and Distribution of Maritime Cargo Ships
Constructed by the USSR, by Shipyard
1962

Units														
Distribution														
Sino-Soviet Bloc Countries														
Class of Ship and Shipyard	Number of Ships	Name of Ship	Tons			Cumulative Construction Through 1962	Other							
			LSD	DWT	GRT		USSR	Poland	East Germany	Communist China	Number	Country	Number	Country
<u>Leninskiy Komsomol</u>														
No. 102, Kherson	5	<u>Khimik Zelinskiy</u> <u>Fizik Kurchatov</u> <u>Metallurg Anasov</u> <u>Krasnaya Presnya</u> <u>Transbalt</u>	29,800	78,950	60,450	10	5 x a/ x x x x x							
No. 444, Nikolayev	1	<u>Leninskiy Pioneer</u>	5,960	15,790	12,090	5	1 x							
Total	6		35,760	94,740	72,540	15	6							
<u>Poltava</u>														
No. 444, Nikolayev	1	<u>Poltava</u>	5,650	12,540	9,500	1	1 x							
<u>Amguema</u>														
No. 199, Komsomol'sk	1	<u>Amguema</u>	4,840	8,700	7,970	1	1 x							
<u>Pavlin Vinogradov</u>														
No. 189, Leningrad	1	<u>Umboles</u>	3,110	6,160	4,750	3	1 x							
<u>Vytegrales</u>														
No. 190, Leningrad	1	<u>Vytegrales</u>	3,350	6,100	4,800	3	1 x							

a. Each "x" designates the destination of the ship.

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Table 4

Number, Tonnage, and Distribution of Maritime Cargo Ships
Constructed by the USSR, by Shipyard
1962.
(Continued)

							Units							
							Distribution							
							Sino-Soviet Bloc Countries							
Class of Ship and Shipyard	Number of Ships	Name of Ship	Tons			Cumulative Construction Through 1962					Other		Non-Bloc Countries	
			LSD	DWT	GRT		USSR	Poland	East Germany	Communist China	Number	Country	Number	Country
Inzhener Belov														
Navashino	5		7,850	18,250	17,000	18	5							
		Sabirabad					x							
		Sal'yany					x							
		Seatly					x							
		Kubatly					x							
		Zanglan					x							
Total maritime cargo	15		60,560	146,490	116,560	39	15							

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Table 5

Number, Tonnage, and Distribution of Maritime Tankers Constructed by the USSR, by Shipyard
1962

Class of Ship and Shipyard	Number of Ships	Name of Ship	Units											
			Distribution											
			Sino-Soviet Bloc Countries								Other		Non-Bloc Countries	
			Tons			Cumulative Construction Through 1962	USSR	Poland	East Germany	Communist China	Number	Country	Number	Country
LSD	DWT	GRT												
<u>Pekin</u>														
No. 189, Leningrad	2	<u>Bukharest</u> <u>Ulan Bator</u>	18,320	59,960	42,520	6	2 x a/ x							
<u>Kazbek</u>														
No. 194, Leningrad	1	<u>Schwedt</u>	4,920	11,250	8,230	26 b/			1 x					
Total maritime tanker	<u>3</u>		<u>23,240</u>	<u>71,210</u>	<u>50,750</u>	<u>32</u>	<u>2</u>		1					

a. Each "x" designates the destination of the ship.

b. Series construction completed. An additional 44 tankers have been built: 31 at Shipyard No. 102, Kherson, and 13 at Shipyard No. 444, Nikolayev.

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Table 6

Number, Tonnage, and Distribution of Miscellaneous Maritime Ships Constructed by the USSR, by Shipyard
1962

														Units			
														Distribution			
														Sino-Soviet Bloc Countries			
														Other		Non-Bloc Countries	
Class of Ship and Shipyard	Number of Ships	Name of Ship	Tons			Cumulative Construction Through 1962											
			LSD	DWT	GRT		USSR	Poland	East Germany	Communist China	Number	Country	Number	Country			
Passenger																	
<u>Uzbekistan a/</u>																	
No. 190, Leningrad	2	<u>Uzbekistan Bukovina</u>	5,020	1,400	7,040	2	2 x b/ x										
<u>Baku c/</u>																	
No. 264, Volgograd	1	<u>Baku</u>	1,450	390	2,000	1	1 x										
<u>Sulak c/</u>																	
Vano Sturus, Astrakhan	1	<u>Sulak</u>	885	285	1,000	1	1 x										
Total	<u>4</u>		<u>7,355</u>	<u>2,075</u>	<u>10,040</u>	<u>4</u>	<u>4</u>										
Ferry																	
<u>Sovetskiy Azerbaydzhan c/</u>																	
Krasnoye Sormovo, Gor'kiy	<u>1</u>	<u>Sovetskiy Azerbaydzhan</u>	<u>3,450</u>	<u>2,500</u>	<u>5,000</u>	<u>1</u>	<u>1</u> x										

- a. Reported characteristics indicate that this class is not identical with the Kirgizstan class.
b. Each "x" designates the destination of the ship.
c. Built for Caspian Sea service.

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Table 6
(Continued)

Units															
Distribution															
Sino-Soviet Bloc Countries															
Class of Ship and Shipyard	Number of Ships	Name of Ship	Tons			Cumulative Construction Through 1962	Other							Non-Bloc Countries	
			LSD	DWT	GRT		USSR	Poland	East Germany	Communist China	Number	Country	Number	Country	
Port icebreaker															
<u>Dobrynya Nikitich</u>															
No. 194, Leningrad	4	V'yuga	8,000	2,700	8,800	6	4								
		Ledokol 1					x								
		Ledokol 2					x								
		Ledokol 3					x								
Research ship															
<u>Bahr</u>															
Leninskaya Kuznitsa, Kiev	2	Bahr	660	1,150	1,800	2						2	UAR		
		Bakir										x			
Tugs															
Various types	N.A.		15,000	N.A.	13,500	N.A.	N.A.								
Total miscellaneous maritime	N.A.		34,465	N.A.	39,140	N.A.	N.A.					2			

Number, Tonnage, and Distribution of Fishing Ships Constructed by the USSR, by Shipyard
1962

a. Each "x" designates the destination of the ship.

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Table 7
(Continued)

Class of Ship and Shipyard	Number of Ships	Name of Ship	Units									
			Distribution									
			Sino-Soviet Bloc Countries									
			Tons			Cumulative Construction Through 1962	Other				Non-Bloc Countries	
			LSD	DWT	GRT		USSR	Poland	East Germany	Communist China	Number	Country
Whale catcher												
<u>Mirnyy</u>												
No. 445, Nikolayev	14	Rezyvy	13,160	4,340	11,760	72	14					
		Rezkly					x					
		Rezaschchiy					x					
		Rysniy					x					
		Rastoropnyy					x					
		Rekordnyy					x					
		Robki					x					
		Vysyaditelnyy					x					
		Velikodushnyy					x					
		Vervakatel'nyy					x					
		Vanady					x					
		Vysorvy					x					
		Vilyatel'nyy					x					
		KB-68					x					
Refrigerator/factory												
<u>Sevastopol'</u>												
No. 189, Leningrad	1	<u>Churkin</u>	4,750	4,080	5,520	6	1					
							x					
Refrigerator												
<u>Tavriya</u>												
Oktyabr'sk	5	<u>Dmitriy Chasovitin</u>	14,250	12,300	16,150	13	5					
		<u>Rudnyy</u>					x					
		<u>Kazis Gedris</u>					x					
		<u>Sibir'</u>					x					
		<u>Burevestnik</u>					x					
Trawlers, seiners, and the like												
Various types	1,873		N.A.	N.A.	110,740	N.A.	1,873					
Total fishing	<u>1,914</u>		N.A.	N.A.	<u>217,940</u>	N.A.	<u>1,913</u>					

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Table 8

Summary of the Number, Tonnage, Value, and Distribution of Merchant Ships
Constructed by Communist China a/
1962

Million 1960 US \$													
Distribution													
Sino-Soviet Bloc Countries													
Type	Number	Tons			Value	USSR	Poland	East Germany	Communist China	Other		Non-Bloc Countries	
		LSD	DWT	GRT						Value	Country	Value	Country
<u>Maritime</u>													
Cargo	3	12,940	33,150	25,420	16.7				16.7				
Miscellaneous	1	1,770	1,100	2,670	3.0				3.0				
Total maritime	<u>4</u>	<u>14,710</u>	<u>34,250</u>	<u>28,090</u>	<u>19.7</u>				<u>19.7</u>				
<u>Inland</u>													
Self-propelled	N.A.	(20,000 horsepower)			12.0				12.0				
Non-self-propelled	N.A.	(50,000 tons cargo-carrying capacity)			4.5				4.5				
Total inland (value only)					<u>16.5</u>				<u>16.5</u>				
Total merchant (value only)					<u>36.2</u>				<u>36.2</u>				

a. These estimates do not include native ships and boats that may be constructed in relatively large numbers in the native sector of the economy.

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Table 9

Number, Value, and Distribution of Maritime Cargo and Miscellaneous Ships
Constructed by Communist China
1962

														Value in Terms of Million 1960 US \$		
														Distribution		
														Sino-Soviet Bloc Countries		
														USSR		
														Poland		
														East Germany		
														Communist China		
														Other		
														Non-Bloc Countries		
Type and/or Class	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Country	Number	Value	Country
Cargo																
Yueh Chin (Leap Forward)	1	7.5							1	7.5						
Ho Ping 25	1	3.6							1	3.6						
Tung Feng (East Wind)	1	5.6							1	5.6						
Total cargo	3	16.7							3	16.7						
Miscellaneous																
Passenger																
Min Chu 14	1	3.0							1	3.0						
Total maritime	4	19.7							4	19.7						

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Table 10

Number, Tonnage, and Distribution of Maritime Cargo and Miscellaneous Ships
Constructed by Communist China, by Shipyard
1962

										Units					
										Distribution					
										Sino-Soviet Bloc Countries					
Class of Ship and Shipyard	Number of Ships	Name of Ship	Tons			Cumulative Construction Through 1962	USSR	Poland	East Germany	Communist China	Other		Non-Bloc Countries		
			LSD	DWT	GRT						Number	Country	Number	Country	
Cargo															
<u>Yueh Chin</u> (Leap Forward)															
Dairen Shipyard	1	<u>Yueh Chin</u>	5,960	15,790	12,090	1				1	x	a/			
<u>Ho Ping 25</u>															
Dairen Shipyard	1	<u>Ho Ping 73</u>	2,650	5,940	4,730	7				1	x				
<u>Tung Feng</u> (East Wind)															
Chiang-nan Shipyard	1	<u>Hsing Huo</u>	4,330	11,420	8,600	1				1	x				
Total cargo	<u>3</u>		<u>12,940</u>	<u>33,150</u>	<u>25,420</u>	<u>9</u>				<u>3</u>					
Miscellaneous															
Passenger															
<u>Min Chu 14</u>															
Hu-tung Shipyard	1	N.A.	<u>1,770</u>	<u>1,100</u>	<u>2,670</u>	<u>6</u>				1					
Total maritime	<u>4</u>		<u>14,710</u>	<u>34,250</u>	<u>28,090</u>	<u>15</u>				<u>4</u>					

a. Each "x" designates the destination of the ship.

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Table 11

Summary of the Number, Tonnage, Value, and Distribution of Merchant Ships Constructed by Poland a/
1962

Million 1960 US \$													
Distribution													
Sino-Soviet Bloc Countries													
Type	Number	Tons			Value	USSR	Poland	East Germany	Communist China	Other		Non-Bloc Countries	
		LSD	DWT	GRT						Value	Country	Value	Country
Maritime													
Cargo	31	110,025	209,315	170,010	152.5	73.9	40.6		6.8			6.8	Cuba
												24.4	Indonesia
Tankers	5	14,865	41,825	29,630	15.7	9.5	6.2						
Total maritime	36	124,890	251,140	199,640	168.2	83.4	46.8		6.8			31.2	
Fishing ships													
Trawlers (B-20)	11	12,265	5,940	6,600	18.7		11.9					6.8	France
Cutters (B-25)	2	270	120	200	0.4							0.4	Ghana
Fish-factory trawler (B-15)	3	6,795	3,660	8,010	10.2		10.2						
(B-26)	2	4,530	2,440	5,340	6.8	6.8							
Fishing base (B-62)	1	7,560	9,710	10,030	10.6	10.6							
Total fishing	19	31,420	21,870	30,180	46.7	17.4	22.1					7.2	
Total merchant	55	156,310	273,010	229,820	214.9	100.8	68.9		6.8			38.4	

a. Excluding a few small minor ships.

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Table 12

Number, Value, and Distribution of Maritime Cargo Ships Constructed by Poland
1962

Value in Terms of Million 1960 US \$																
Distribution																
Sino-Soviet Bloc Countries																
Type and/or Class	Number	Value	USSR		Poland		East Germany		Communist China		Other			Non-Bloc Countries		
			Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Country	Number	Value	Country
<u>Simferopol'</u> (B-43)	4	31.6	4	31.6												
<u>Marceli Nowotko</u> (B-54)	6	40.8			2	13.6			1	6.8				1	6.8	Cuba
<u>Krynica</u> (B-55)	2	7.6			2	7.6								2	13.6	Indonesia
<u>Goplana</u> (B-57)	3	3.6			3	3.6										
<u>Oliwa</u> (B-59)	1	3.7			1	3.7										
<u>Togaran</u> (B-450)	3	10.8												3	10.8	Indonesia
<u>Andrezej Borowy</u> (B-458)	1	1.1			1	1.1										
<u>Volgoles</u> (B-514)	9	42.3	9	42.3												
<u>Domeyko</u> (B-516)	2	11.0			2	11.0										
Total maritime cargo	31	152.5	13	73.9	11	40.6			1	6.8				6	31.2	

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Table 13

Number, Value, and Distribution of Maritime Tankers Constructed by Poland
1962

														Value in Terms of Million 1960 US \$													
														Distribution													
														Sino-Soviet Bloc Countries													
														USSR			Poland		East Germany		Communist China		Other		Non-Bloc Countries		
Type and/or Class	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Country	Number	Value	Country											
Bausk (B-70)	2	12.4	1	6.2	1	6.2																					
Ogre (B-74)	3	3.3	3	3.3																							
Total maritime tanker	5	15.7	4	9.5	1	6.2																					

Table 14

Number, Value, and Distribution of Fishing Ships Constructed by Poland
1962

Value in Terms of Million 1960 US \$														
Distribution														
Sino-Soviet Bloc Countries														
Type and/or Class	Number	Value	USSR		Poland		East Germany		Communist China		Other		Country	
			Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value
Trawler														
<u>Miedwie</u> (B-20)	11	18.7			7	11.9							4	6.8
Cutter														
<u>B-25</u>	2	0.4											2	0.4
Fish-factory trawler														
<u>Leskov</u> (B-15)	3	10.2			3	10.2								
<u>Kosmos</u> (B-26)	2	6.8	2	6.8										
Fishing base														
<u>Severodvinsk</u> (B-62)	1	10.6	1	10.6										
Total Fishing	<u>19</u>	<u>46.7</u>	<u>3</u>	<u>17.4</u>	<u>10</u>	<u>22.1</u>							<u>6</u>	<u>7.2</u>

Number, Tonnage, and Distribution of Maritime Cargo Ships Constructed by Poland, by Shipyard
1962

* Footnotes follow on p. 26.

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Table 15

Number, Tonnage, and Distribution of Maritime Cargo Ships Constructed by Poland, by Shipyard
1962
(Continued)

Class of Ship and Shipyard	Number of Ships	Name of Ship	Units									
			Distribution									
			Sino-Soviet Bloc Countries									
			Tons		Cumulative Construction Through 1962	Other				Non-Bloc Countries		
			LSD	DWT		USSR	Poland	East Germany	Communist China	Number	Country	
<u>Oliwa (B-59)</u>												
A. Warski, Szczecin	1	<u>Orneta</u>	2,640	4,280	2,970	2		1				
							x					
<u>Togaran (B-450)</u>												
A. Warski, Szczecin	3	<u>Tobuti</u>	5,460	6,780	8,280	1					3	Indonesia
		<u>Tokelo</u>									x	
		<u>Takala</u> b/									x	
<u>Andrzej Borowy (B-458)</u>												
Paris Commune, Gdynia	1	<u>Andrzej Borowy</u>	700	1,300	1,000	1		1				
								x				
<u>Volgoles (B-514)</u>												
Gdansk Shipyard	2	<u>Anadyries</u>	31,005	22,245	37,800	20		2				
		<u>Andomales</u>						x				
		<u>Andermalles</u>						x				
		<u>Abagurles</u>						x				
		<u>Angarskies</u>						x				
		<u>Belomorskies</u>						x				
		<u>Beloserskies</u>						x				
		<u>Bobruyskies</u>						x				
		<u>Bryanskies</u>						x				
<u>Domevko (B-516)</u>												
A. Warski, Szczecin	2	<u>Domevko</u>	7,800	16,730	10,920	2		2				
		<u>Jan Heweliusz</u>						x				
Total maritime cargo	31		110,025	209,315	170,010	104	13	11	1		6	

a. Each "x" designates the destination of the ship.
b. Last ship of the construction program.

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Table 16

Number, Tonnage, and Distribution of Maritime Tankers Constructed by Poland, by Shipyard
1962

Class of Ship and Shipyard	Number of Ships	Name of Ship	Tons			Cumulative Construction Through 1962	Units							
			LSD	DWT	GRT		Distribution							
							Sino-Soviet Bloc Countries				Other		Non-Bloc Countries	
							USSR	Poland	East Germany	Communist China	Number	Country	Number	Country
<u>Bausk (B-70)</u>														
Gdansk Shipyard	<u>2</u>	Balaklava Prof. M.T. Huber	<u>11,730</u>	<u>37,400</u>	<u>25,730</u>	<u>3</u>	<u>1</u> x a/	<u>1</u>						
								x						
<u>Ogre (B-74) b/</u>														
Paris Commune, Gdynia	<u>3</u>	Dvinogorsk Ozersk Opala c/	<u>3,135</u>	<u>4,425</u>	<u>3,900</u>	<u>6</u>	<u>3</u> x x x							
Total maritime tanker	<u>5</u>		<u>14,865</u>	<u>41,825</u>	<u>29,630</u>	<u>9</u>	<u>4</u>	<u>1</u>						

- a. Each "x" designates the destination of the ship.
b. Two ships of this class possibly were transferred to Indonesia.
c. Last ship of the construction program.

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Table 17

Number, Tonnage, and Distribution of Fishing Ships Constructed by Poland, by Shipyard
1962

Units															
Distribution															
Sino-Soviet Bloc Countries															
Class of Ship and Shipyard	Number of Ships	Name of Ship	Tons			Cumulative Construction Through 1962						Other		Non-Bloc Countries	
			LSD	DWT	GRT		USSR	Poland	East Germany	Communist China	Number	Country	Number	Country	
<u>Miedwie (B-20)</u>															
Paris Commune, Gdynia	11		12,265	5,940	6,600	16		7							
		<u>Gardino</u>						x	a/						
		<u>Goplo</u>						x							
		<u>Seino</u>						x							
		<u>Szczepino</u>						x							
		<u>Wigry</u>						x							
		<u>Wielczno</u>						x							
		<u>N.A.</u>						x							
		<u>Jacques Coeur</u>												4	France
		<u>Jacques Cartier</u>												x	
		<u>St. Jean</u>												x	
		<u>St. Luc</u>												x	
<u>Cutter (B-25)</u>															
Repair Yard, Gdynia	2		270	120	200	35								2	Ghana
		<u>N.A.</u>													
		<u>N.A.</u>													
<u>Leskov (B-15)</u>															
Gdansk shipyard	3		6,795	3,660	8,010	13		3							
		<u>Uran</u>						x							
		<u>Neptune</u>						x							
		<u>Pegaz</u>						x							
<u>Kosmos (B-26)</u>															
Gdansk Shipyard	2		4,530	2,440	5,340	2	2								
		<u>Kosmos</u>					x								
		<u>Kometa</u>					x								
<u>Severodvinsk (B-62)</u>															
Gdansk Shipyard	1		7,560	9,710	10,030	11	1								
		<u>Chukotka</u> b/					x								
Total fishing	19		31,420	21,870	30,180	77	3	10						6	

a. Each "x" designates the destination of the ship.
b. Last ship of the construction program.

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Table 18

Summary of the Number, Tonnage, Value, and Distribution of Merchant Ships Constructed by East Germany a/
1962

Million 1960 US \$													
Distribution													
Sino-Soviet Bloc Countries													
Type	Number	Tons			Value	USSR	Poland	East Germany	Communist China	Other		Non-Bloc Countries	
		LSD	DWT	GRT						Value	Country	Value	Country
<u>Maritime</u>													
Cargo	28	63,955	132,300	98,940	92.0	51.6		40.4					
Miscellaneous	10	16,210	8,105	20,360	27.4	27.1				0.3	North Vietnam		
Total maritime	<u>38</u>	<u>80,165</u>	<u>140,405</u>	<u>119,300</u>	<u>119.4</u>	<u>78.7</u>		<u>40.4</u>		<u>0.3</u>			
<u>Fishing ships</u>													
Fish-factory trawler													
<u>Bertholt Brecht</u>	4	9,040	5,120	12,000	13.6			13.6					
<u>Tropik</u>	6	10,260	5,280	14,610	15.6	15.6							
Refrigerator	4	5,120	3,920	11,600	7.6	7.6							
Cutter	6	810	300	840	1.2							1.2	Sweden
Total fishing	<u>20</u>	<u>25,230</u>	<u>14,620</u>	<u>39,050</u>	<u>38.0</u>	<u>23.2</u>		<u>13.6</u>				<u>1.2</u>	
<u>Inland</u>													
Self-propelled	<u>12</u>	(8,300 horsepower)			<u>5.0</u>			<u>5.0</u>					
Total merchant	<u>70</u>				<u>162.4</u>	<u>101.9</u>		<u>59.0</u>		<u>0.3</u>		<u>1.2</u>	

a. Excluding a few small minor ships.

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Table 19

Number, Value, and Distribution of Maritime Cargo Ships Constructed by East Germany
1962

Value in Terms of Million 1960 US \$																
Distribution																
Sino-Soviet Bloc Countries																
Type and/or Class	Number	Value	USSR		Poland		East Germany		Communist China		Other			Non-Bloc Countries		
			Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Country	Number	Value	Country
<u>Andizhan</u>	12	34.8	12	34.8												
<u>Dzhankey</u>	3	16.8	3	16.8												
<u>Edgar Andre</u>	1	7.4					1	7.4								
<u>Lubbenau</u>	3	20.7					3	20.7								
<u>Albatros</u>	3	6.3					3	6.3								
<u>Star</u>	6	6.0					6	6.0								
Total maritime cargo	<u>28</u>	<u>92.0</u>	<u>15</u>	<u>51.6</u>			<u>13</u>	<u>40.4</u>								

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Number, Value, and Distribution of Miscellaneous Maritime Ships Constructed by East Germany
1962

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Table 21

Number, Value, and Distribution of Fishing Ships Constructed by East Germany
1962

Value in Terms of Million 1960 US \$														
Distribution														
Sino-Soviet Bloc Countries														
Type and/or Class	Number	Value	USSR		Poland		East Germany		Communist China		Other		Non-Bloc Countries	
			Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Country	Country
Fish-factory trawler														
<u>Bertholt Brecht</u>	4	13.6					4	13.6						
<u>Tropik</u>	6	15.6	6	15.6										
Refrigerator														
<u>Bratsk</u>	4	7.6	4	7.6										
Cutter														
Unknown	6	1.2											6	1.2 Sweden
Total fishing	<u>20</u>	<u>38.0</u>	<u>10</u>	<u>23.2</u>			<u>4</u>	<u>13.6</u>					<u>6</u>	<u>1.2</u>

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Table 22

Number, Tonnage, and Distribution of Maritime Cargo Ships
Constructed by East Germany, by Shipyard
1962

Class of Ship and Shipyard	Number of Ships	Name of Ship	Units											
			Tons					Distribution						
			LSD	DWT	GRT	Cumulative Construction Through 1962		Sino-Soviet Bloc Countries						
								USSR	Poland	East Germany	Communist China	Other		Non-Bloc Countries
												Number	Country	Number
<u>Andizhan</u>														
Neptune Werft, Rostock	12		25,200	50,760	40,320	49	12							
		<u>Brestok</u>					x							
		<u>Svek</u>					x							
		<u>Tan</u>					x							
		<u>Kholmogory</u>					x							
		<u>Kyardia</u>					x							
		<u>Polyarnyy</u>					x							
		<u>Pes'yet</u>					x							
		<u>Rakverye</u>					x							
		<u>Reni</u>					x							
		<u>Sigulda</u>					x							
		<u>Sobolevo</u>					x							
		<u>Syrve</u>					x							
<u>Dzhenkoy</u>														
Warnowert, Warnemunde	3		12,840	25,095	21,795	13	3							
		<u>Dimitrovo</u>					x							
		<u>Dagestan</u>					x							
		<u>Dolgshchelye</u>					x							
<u>Edgar Andre (Type X)</u>														
Warnowert, Warnemunde	1		4,930	10,230	7,500	1				1				
		<u>Edgar Andre</u>								x				
<u>Lubbenau (Type IX)</u>														
Warnowert, Warnemunde	3		13,875	33,075	20,400	4				3				
		<u>Mansfeld</u>								x				
		<u>Senftenberg</u>								x				
		<u>Trattenborg</u>								x				

a. Each "x" designates the destination of the ship.

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Table 22

Number, Tonnage, and Distribution of Maritime Cargo Ships
Constructed by East Germany, by Shipyard
1962
(Continued)

Class of Ship and Shipyard	Number of Ships	Name of Ship	Units											
			Distribution											
			Sino-Soviet Bloc Countries											
			Tons			Cumulative Construction Through 1962	Sino-Soviet Bloc Countries				Other		Non-Bloc Countries	
			LD	DWT	GRT		USSR	Poland	East Germany	Communist China	Number	Country	Number	Country
<u>Albatross</u>														
Neptune Werft, Rostock	3	<u>Bussard</u>	3,600	8,130	5,205	4				3				
		<u>Condor</u>								x				
		<u>Falke</u>								x				
<u>Star</u>														
Reenewerft, Wolgast	6	<u>Isabel Riems</u>	3,510	5,010	3,720	21				6				
		<u>Reel</u>								x				
		<u>Robins</u>								x				
		<u>Rerik</u>								x				
		<u>Stavenhagen</u>								x				
		<u>Ueckermunde</u>								x				
Total maritime cargo	28		63,955	132,300	98,940	92	15			13				

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Table 23

Number, Tonnage, and Distribution of Miscellaneous Maritime Ships
Constructed by East Germany, by Shipyard
1962

Class of Ship and Shipyard	Number of Ships	Name of Ship	Units											
			Distribution											
			Sino-Soviet Bloc Countries							Other		Non-Bloc Countries		
			Tons			Cumulative Construction Through 1962	USSR	Poland	East Germany	Communist China	Number	Country	Number	Country
			LSD	DMT	GRT									
Passenger														
<u>Mikalinin</u>														
Mathias Thesen Werft, Wismar	3	<u>Baykal</u> <u>Khabarovsk</u> <u>Nikolayevsk</u>	12,510	4,020	14,610	15	3 x x x x	a/						
Research ship														
<u>M. Lomonosov</u>														
Neptune Werft, Rostock	1	<u>Polyus</u>	2,790	3,330	4,400	2	1 x							
Salvage ship														
<u>Ha Dong</u>														
Neptune Werft, Rostock	1	<u>Ha Dong</u>	185	255	700	1					1	North Vietnam		
Tug											x			
<u>MB-6060</u>														
Edgar Andre, Rothensee	5	<u>MB-6081</u> <u>MB-6082</u> <u>MB-6083</u> <u>MB-6084</u> <u>MB-6085</u>	725	500	650	10	5 x x x x x							
Total miscellaneous maritime	10		16,210	8,105	20,360	28	2				1			

a. Each "x" designates the destination of the ship.

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Table 24

Number, Tonnage, and Distribution of Fishing Ships Constructed by East Germany, by Shipyard
1962

Units														
Distribution														
Sino-Soviet Bloc Countries														
Class of Ship and Shipyard	Number of Ships	Name of Ship	Tons			Cumulative Construction Through 1962	Sino-Soviet Bloc Countries				Other		Non-Bloc Countries	
			LSD	DWT	GRT		USSR	Poland	East Germany	Communist China	Number	Country	Number	Country
Fish-factory trawler														
<u>Bertholt Brecht</u>														
Mathias Thesen Werft, Wismar	4	Friedrich Wolf Erich Weinert Luis Fuernberg F.G. Weiskopf	9,040	5,120	12,000	6			4	x a/				
<u>Tropik</u>														
Volkswerft, Stralsund	6	Tropik Evpatoriya Tukan Kerch Kozerog Tsentr	10,260	5,280	14,610	6	6		x					
Refrigerator														
<u>Bratsk</u>														
Peenewerft, Wolgast	4	Khasan Mikhail Lomonosov Elton Baskunchak b/	5,120	3,920	11,600	10	4		x					

a. Each "x" designates the destination of the ship.
b. Last ship of the construction program.

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Table 24
(Continued)

Units														
Distribution														
Sino-Soviet Bloc Countries														
Class of Ship and Shipyard	Number of Ships	Name of Ship	Tons			Cumulative Construction Through 1962					Other		Non-Bloc Countries	
			LSD	DWT	GRT		USSR	Poland	East Germany	Communist China	Number	Country	Number	Country
Cutter														
Unknown														
Volkswerft, Brandenburg	6		810	300	840	11							6	Sweden
		512/6											x	
		512/7											x	
		512/8											x	
		512/9											x	
		512/10											x	
		512/11											x	
Total fishing	20		25,230	14,620	39,050	33	10		4				6	

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Table 25

Summary of the Number, Tonnage, Value, and Distribution of Merchant Ships Constructed by Hungary a/
1962

Million 1960 US \$													
Distribution													
Sino-Soviet Bloc Countries													
Type	Number	Tons			Value	USSR	Poland	East Germany	Communist China	Other		Non-Bloc Countries	
		LSD	DWT	GRT						Value	Country	Value	Country
<u>Maritime</u>													
Cargo	10	11,200	16,250	13,000	17.0	13.6						3.4	UAR
<u>Inland</u>													
Self-propelled	9	(10,000 horsepower)			6.0	6.0							
Total merchant	19				23.0	19.6						3.4	

a. Excluding a few small minor ships.

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Table 26

Number, Value, and Distribution of Maritime Cargo Ships Constructed by Hungary
1962

Value in Terms of Million 1960 US \$														
Distribution														
Sino-Soviet Bloc Countries														
Type and/or Class	Number	Value	USSR		Poland		East Germany		Communist China		Other		Non-Bloc Countries	
			Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Country	Country
Cargo														
Keyla	10	17.0	8	13.6									2	3.4 UAR
Total maritime cargo	10	17.0	8	13.6									2	3.4

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Table 27

Number, Tonnage, and Distribution of Maritime Cargo Ships Constructed by Hungary, by Shipyard
1962

Units															
Distribution															
Sino-Soviet Bloc Countries															
Class of Ship and Shipyard	Number of Ships	Name of Ship	Tons			Cumulative Construction Through 1962						Other		Non-Bloc Countries	
			LSD	DWT	GRT		USSR	Poland	East Germany	Communist China	Number	Country	Number	Country	
<u>Keyla</u>															
Gheorghiu-Dej Shipyard	10		11,200	16,250	13,000	32	8								
		<u>Reni</u>					x	a/							
		<u>Shkotovo</u>					x								
		<u>Taraklia</u>					x								
		<u>Ust Bolsheretsk</u>					x								
		<u>Yargora</u>					x								
		<u>Zeya</u>					x								
		<u>Teriberka b/</u>					x								
		<u>Kremenents</u>					x								
		<u>Adnanal-Malki</u>												2	UAR
		<u>Galal El Desouki</u>												x	
														x	
Total maritime cargo	10		11,200	16,250	13,000	32	8							2	

a. Each "x" designates the destination of the ship.

b. Probably converted to naval auxiliary use.

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Table 28

Summary of the Number, Tonnage, Value, and Distribution of Merchant Ships Constructed by Bulgaria a/
1962

Million 1960 US \$													
Distribution													
Sino-Soviet Bloc Countries													
Type	Number	Tons			Value	USSR	Poland	East Germany	Communist China	Other		Non-Bloc Countries	
		LSD	DWT	GRT						Value	Country	Value	Country
Cargo	2	1,665	3,475	2,200	2.6					2.2	Czecho-slovakia		
										0.4			
Tanker	3	5,370	12,510	8,850	7.5	7.5					Bulgaria		
Miscellaneous	3	1,920	495	2,700	3.9	3.9							
Total maritime	8	8,955	16,480	13,750	14.0	11.4				2.6			

a. Excluding a few small minor ships.

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Table 29

Number, Value, and Distribution of Maritime Cargo Ships, Tankers, and Miscellaneous Ships
Constructed by Bulgaria
1962

Value in Terms of Million 1960 US \$														
Distribution														
Sino-Soviet Bloc Countries														
Type and/or Class	Number	Value	USSR		Poland		East Germany		Communist China		Other		Non-Bloc Countries	
			Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Country	Country
<u>Cargo</u>														
Varna	1	2.2									1	2.2	Czechoslovakia	
Kamchiya	1	0.4									1	0.4	Bulgaria	
<u>Tanker</u>														
Oleg Koshevoy	3	7.5	3	7.5										
<u>Miscellaneous</u>														
Georgi Dimitrov	3	3.9	3	3.9										
Total maritime	8	14.0	6	11.4							2	2.6		

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Table 30

Number, Tonnage, and Distribution of Maritime Cargo Ships, Tankers,
and Miscellaneous Ships Constructed by Bulgaria, by Shipyard
1962

Units														
Distribution														
Sino-Soviet Bloc Countries														
Class of Ship and Shipyard	Number of Ships	Name of Ship	Tons			Cumulative Construction Through 1962	Other						Non-Bloc Countries	
			LSD	DWT	GRT		USSR	Poland	East Germany	Communist China	Number	Country	Number	Country
Cargo														
<u>Varna</u>														
G. Dimitrov, Varna	1		1,470	3,100	1,900	6					1	Czecho-slovakia		
		<u>Iskra</u>									x a/			
<u>Kamchiya</u>														
I. Dimitrov, Ruse	1		195	375	300	5					1	Bulgaria		
		<u>Kom</u>									x			
Total cargo	<u>2</u>		<u>1,665</u>	<u>3,475</u>	<u>2,200</u>	<u>11</u>					<u>2</u>			
Tanker														
<u>Oleg Koshevoy</u>														
G. Dimitrov, Varna	<u>3</u>		<u>5,370</u>	<u>12,510</u>	<u>8,850</u>	<u>11</u>	<u>3</u>							
		<u>Nebit Dag</u>					x							
		<u>Nurek</u>					x							
		<u>Surakhany</u>					x							
Passenger														
<u>G. Dimitrov</u>														
G. Dimitrov, Varna	3		<u>1,920</u>	<u>495</u>	<u>2,700</u>	<u>9</u>	<u>3</u>							
		<u>Ayu Dag</u>					x							
		<u>Ay Petri</u>					x							
		<u>Aytador</u>					x							
Total maritime	<u>8</u>		<u>8,955</u>	<u>16,480</u>	<u>13,750</u>	<u>31</u>	<u>6</u>				<u>2</u>			

a. Each "x" designates the destination of the ship.

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Table 31

Summary of the Number, Tonnage, Value, and Distribution of Merchant Ships Constructed by Rumania a/
1962

Million 1960 US \$													
Distribution													
Sino-Soviet Bloc Countries													
Type	Number	Tons			Value	USSR	Poland	East Germany	Communist China	Other		Non-Bloc Countries	
		LSD	DWT	GRT						Value	Country	Value	Country
<u>Maritime</u>													
Cargo	5	10,180	18,800	15,600	14.5					14.5	Rumania		
Miscellaneous	10	3,750	3,550	4,900	6.0	6.0							
Total maritime	15	13,930	22,350	20,500	20.5	6.0				14.5			
<u>Inland</u>													
Self-propelled	22	(25,000 horsepower)			15.0	7.5				7.5			
Total merchant	37				35.5	13.5				22.0			

a. Excluding a few small minor ships.

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Table 32

Number, Value, and Distribution of Maritime Cargo and Miscellaneous Ships Constructed by Rumania
1962

Value in Terms of Million 1960 US \$														
Distribution														
Sino-Soviet Bloc Countries														
Type and/or Class	Number	Value	USSR	Value	Poland	Value	East Germany	Value	Communist China	Value	Other	Value	Country	Non-Bloc Countries
			Number		Number		Number		Number		Number			Number
														Value
														Country
Cargo														
Arad	1	1.3									1	1.3	Rumania	
Galati	4	13.2									4	13.2	Rumania	
Total cargo	5	14.5									5	14.5		
Miscellaneous														
Tug														
Unknown class	10	6.0	10	6.0										
Total maritime	15	20.5	10	6.0							5	14.5		

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Table 33

Number, Tonnage, and Distribution of Maritime Cargo and Miscellaneous Ships
Constructed by Rumania, by Shipyard
1962

Units														
Distribution														
Sino-Soviet Bloc Countries														
Class of Ship and Shipyard	Number of Ships	Name of Ship	Tons			Cumulative Construction Through 1962					Other		Non-Bloc Countries	
			LSD	DWT	GRT		USSR	Poland	East Germany	Communist China	Number	Country	Number	Country
Cargo														
<u>Arad</u>														
Turnu Severin	1	<u>Pitesti</u>	740	1,080	1,200	4					1	Rumania		
											x a/			
<u>Galati</u>														
Galati	4	<u>Cluj</u> <u>Constanta</u> <u>Craiova</u> <u>Timisoara</u>	9,440	17,720	14,400	9					4	Rumania		
											x			
											x			
											x			
											x			
Total cargo	<u>5</u>		<u>10,180</u>	<u>18,800</u>	<u>15,600</u>	<u>13</u>					<u>5</u>			
Miscellaneous														
Tug														
Unknown class														
Galati	<u>10</u>		<u>3,750</u>	<u>3,550</u>	<u>4,900</u>	<u>73</u>	<u>10</u>							
Total maritime	<u>15</u>		<u>13,930</u>	<u>22,350</u>	<u>20,500</u>	<u>86</u>	<u>10</u>				<u>5</u>			

a. Each "x" designates the destination of the ship.

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Table 34

Summary of the Number, Tonnage, Value, and Distribution of Merchant Ships Constructed by Czechoslovakia a/
1962

		Million 1960 US \$											
		Distribution											
		Sino-Soviet Bloc Countries										Other	
		Tons											
Type	Number	LSD	DWT	GRT	Value	USSR	Poland	East Germany	Communist China	Value	Country	Value	Country
<u>Inland</u>													
Self-propelled	18	(19,900 horsepower)			11.9	11.9							
Total merchant	<u>18</u>				<u>11.9</u>	<u>11.9</u>							

a. Excluding a few small minor ships.

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Table 35

Number, Value, and Distribution of Maritime Ships Constructed for the Sino-Soviet Bloc
by Non-Bloc Countries
1962

		Million 1960 US \$						
		Distribution						
		Sino-Soviet Bloc Countries					Other	
<u>Country, Type, and Class</u>	<u>Number</u>	<u>Value</u>	<u>USSR</u>	<u>Poland</u>	<u>East Germany</u>	<u>Communist China</u>	<u>Value</u>	<u>Country</u>
Denmark								
Cargo								
<u>Beloretsk</u>	<u>4</u>	<u>33.6</u>	<u>33.6</u>					
Fishing								
<u>Skryplev</u>	<u>2</u>	<u>10.4</u>	<u>10.4</u>					
Total Denmark	<u>6</u>	<u>44.0</u>	<u>44.0</u>					
Finland								
Cargo								
<u>Krasnograd</u>	<u>4</u>	<u>30.0</u>	<u>30.0</u>					
<u>Irkutskles</u>	<u>9</u>	<u>30.6</u>	<u>30.6</u>					
Total cargo	<u>13</u>	<u>60.6</u>	<u>60.6</u>					
Tanker								
<u>Drogobitz</u>	<u>6</u>	<u>16.2</u>	<u>16.2</u>					
Miscellaneous								
Cable ship								
<u>Ingul</u>	<u>1</u>	<u>2.5</u>	<u>2.5</u>					
Salvage tug								
<u>Steregushchiy</u>	<u>3</u>	<u>7.8</u>	<u>7.8</u>					

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Table 35
(Continued)

			Million 1960 US \$					
			Distribution					
			Sino-Soviet Bloc Countries					
							Other	
Country, Type, and Class	Number	Value	USSR	Poland	East Germany	Communist China	Value	Country
Barracks ship								
<u>C-214</u>	<u>4</u>	<u>6.8</u>	<u>6.8</u>					
Total miscellaneous	<u>8</u>	<u>17.1</u>	<u>17.1</u>					
Total Finland	<u>27</u>	<u>23.9</u>	<u>23.9</u>					
United Kingdom								
Miscellaneous								
Icebreaker								
<u>Peykun</u>	<u>1</u>	<u>2.3</u>		<u>2.3</u>				
Japan								
Cargo								
<u>Omsk</u>	<u>2</u>	<u>14.2</u>	<u>14.2</u>					
Tanker								
<u>Lugansk</u>	<u>6</u>	<u>36.0</u>	<u>36.0</u>					
Total Japan	<u>8</u>	<u>50.2</u>	<u>50.2</u>					
Sweden								
Tanker								
<u>Elgava</u>	<u>1</u>	<u>2.7</u>	<u>2.7</u>					

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Table 35

Number, Value, and Distribution of Maritime Ships Constructed for the Sino-Soviet Bloc
by Non-Bloc Countries
1962
(Continued)

Million 1960 US \$								
Distribution								
Sino-Soviet Bloc Countries								
Country, Type, and Class	Number	Value	USSR	Poland	East Germany	Communist China	Other	
							Value	Country
West Germany								
Fishing								
Vladivostok	<u>1</u>	<u>16.0</u>	<u>16.0</u>					
Yugoslavia								
Cargo								
Chopin	2	13.2		13.2				
Josef Conrad	2	11.8		11.8				
Dogobrea	1	6.8					6.8	Rumania
Total cargo	<u>5</u>	<u>31.8</u>		<u>25.0</u>			<u>6.8</u>	
Total Yugoslavia	<u>5</u>	<u>31.8</u>		<u>25.0</u>			<u>6.8</u>	
Total non-Bloc	<u>49</u>	<u>240.9</u>	<u>206.8</u>	<u>27.3</u>			<u>6.8</u>	

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Table 36

Number, Tonnage, and Distribution of Maritime Ships Constructed for the Sino-Soviet Bloc
by Non-Bloc Countries, by Shipyard
1962

Units													
Distribution													
Sino-Soviet Bloc Countries													
Country, Type, and Class of Ship and Shipyard	Number of Ships	Name of Ship	Tons			Cumulative Construction Through 1962						Other	
			LSD	DWT	GRT		USSR	Poland	East Germany	Communist China	Number	Country	
Denmark													
Cargo													
<u>Beloretsk</u>													
Naksov Yard, Naksov	2	<u>Beloretsk</u> <u>Belovodsk</u>	13,920	27,860	21,300	2	2	x	a/				
							x						
Burmeister and Wain, Copenhagen	2	<u>Kosmonavt</u> <u>Belitsk</u>	13,920	27,860	21,300	2	2	x					
							x						
Total cargo	4		<u>27,840</u>	<u>55,720</u>	<u>42,600</u>	4	4						
Fishing													
<u>Skryplev</u>													
Burmeister and Wain, Copenhagen	2	<u>Skryplev</u> <u>Vitus Bering</u>	<u>6,880</u>	<u>5,120</u>	<u>2,400</u>	2	2	x					
							x						
Total Denmark	6		<u>34,720</u>	<u>60,840</u>	<u>52,000</u>	6	6						
Finland													
Cargo													
<u>Krasnogrud</u>													
Crichton-Vulcan, Turku	4	<u>Kimovsk</u> <u>Kasimov</u> <u>Karachasovo-Cherkessiya</u> b/ <u>Kovrov</u>	20,500	48,000	36,000	5	4	x					
							x						
							x						
							x						
							x						

a. Each "x" designates the destination of the ship.
b. Originally named Karachaevesk.

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Table 36

Number, Tonnage, and Distribution of Maritime Ships Constructed for the Sino-Soviet Bloc
by Non-Bloc Countries, by Shipyard
1962
(Continued)

Country, Type, and Class of Ship and Shipyard	Number of Ships	Name of Ship	Tons			Cumulative Construction Through 1962	Units					
							Distribution					
							Sino-Soviet Bloc Countries					
											Other	
			LSD	DWT	GRT		USSR	Poland	East Germany	Communist China	Number	Country
Finland (Continued)												
<u>Irkutskles</u>												
Valmet, Turku	9	Beikalles	22,140	30,150	23,400	13	9					
Valmet, Helsinki		Inkurles					x					
F.W. Hollming, Rauma		Trbitles					x					
		Irshales					x					
		Izhmales					x					
		Kamchatskles					x					
		Kievskles					x					
		Krasnogorskles					x					
		Vologankles					x					
Total cargo	<u>13</u>		<u>42,640</u>	<u>78,150</u>	<u>59,400</u>	<u>18</u>	<u>13</u>					
Tanker												
<u>Drogobitz</u>												
Rauha Repola	<u>6</u>	Aleksin	<u>12,600</u>	<u>26,880</u>	<u>19,800</u>	<u>26</u>	6					
		Aluksene					x					
		Anapa					x					
		Artelitz					x					
		Libertusy					x					
		Sinagorank					x					
Miscellaneous												
Cable ship												
<u>Ingul</u>												
Wartsila, Helsinki	1	Ingul	1,670	3,130	5,900	1	1					
							x					

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Table 36
(Continued)

Country, Type, and Class of Ship and Shipyard	Number of Ships	Name of Ship	Units									
			Distribution									
			Sino-Soviet Bloc Countries						Other			
			LSD	DWT	GRT	Cumulative Construction Through 1962	USSR	Poland	East Germany	Communist China	Number	Country
Finland (Continued)												
Salvage tug												
<u>Stereagushchiy</u>												
Valmet, Turku	3	Stereagushchiy	3,060	1,740	3,030	22	3					
		Reshitelniy					x					
		Besstrashniy					x					
Barracks ship												
<u>C-214</u> (non-self-propelled)												
Valmet, Helsinki	4	C-215	1,200	11,200	8,000	5	4					
		C-216					x					
		C-220					x					
		C-221					x					
Total miscellaneous	8		5,920	16,070	16,920	28	8					
Total Finland	<u>27</u>		<u>61,170</u>	<u>121,100</u>	<u>96,130</u>	<u>72</u>	<u>27</u>					
Great Britain												
Miscellaneous												
Icebreaker												
<u>Perkon</u>												
Appledore, North Devon	<u>1</u>	Perkon	<u>900</u>	<u>500</u>	<u>800</u>	<u>1</u>		<u>1</u>				

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Table 36

Number, Tonnage, and Distribution of Maritime Ships Constructed for the Sino-Soviet Bloc
by Non-Bloc Countries, by Shipyard
1962
(Continued)

Country, Type, and Class of Ship and Shipyard	Number of Ships	Name of Ship	Units										
			Distribution										
			Sino-Soviet Bloc Countries										
			Other										
			Tons			Cumulative Construction Through 1962	USSR	Poland	East Germany	Communist China	Other		
LSD	DMT	GRT	Number	Country									
Japan													
Cargo													
<u>Omsk</u>													
Hitachi, Osaka	2	<u>Orenburg</u> <u>Ochotsk</u>	<u>11,400</u>	<u>23,620</u>	<u>22,120</u>	2	2	x	x				
Tanker													
<u>Iugansk</u>	6	<u>Iugansk</u> <u>Lebedin</u> <u>Lenkovan</u> <u>Lyubotin</u> <u>Meishansk</u> <u>Livny</u>	<u>57,000</u>	<u>207,000</u>	<u>132,600</u>	6	6	x	x	x	x	x	x
Mitsubishi, Hiroshima Ishikawajima, Harima								x	x	x	x	x	x
Total Japan	8		<u>68,400</u>	<u>230,620</u>	<u>154,720</u>	8	8						
Sweden													
Tanker													
<u>Elgava</u>													
Gevle, Stockholm	1	<u>Tukums</u>	<u>2,140</u>	<u>4,130</u>	<u>3,100</u>	1	1	x					
West Germany													
Whaling/fish factory													
<u>Vladivostok</u>													
Howaldtswerke, Kiel	1	<u>Vladivostok</u>	<u>10,000</u>	<u>21,650</u>	<u>17,000</u>	1	1	x					

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Table 36
(Continued)

Country, Type, and Class of Ship and Shipyard	Number of Ships	Name of Ship	Units									
			Distribution								Other	
			Sino-Soviet Bloc Countries									
			Tons			Cumulative Construction Through 1962	USSR	Poland	East Germany	Communist China	Number	Country
LSD	DMT	GRT										
Yugoslavia												
Cargo												
<u>Chopin</u>												
Split, Split	2	<u>Nowawiejski</u> <u>Wienlawski</u>	10,600	21,400	14,560	7		2			x	
								x			x	
<u>Josef Conrad</u>												
3 May, Rijeka	2	<u>Kochanowski</u> <u>Nyspianski</u>	9,120	20,380	14,400	3		2			x	
								x			x	
<u>Dagobrea</u>												
3 May, Rijeka	1	<u>Bucharesti</u>	5,490	12,650	9,050	2					1	Rumania
											x	
Total Yugoslavia	<u>5</u>		<u>25,210</u>	<u>54,430</u>	<u>38,010</u>	<u>12</u>		<u>4</u>			<u>1</u>	
Total non-Bloc	<u>49</u>		<u>202,540</u>	<u>493,270</u>	<u>361,760</u>	<u>103</u>	<u>43</u>	<u>5</u>			<u>1</u>	

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